



Giant Ultimaker Robot for Vacuum Forming



Plexi

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Summary

This Thing is an Ultimaker Robot which I scaled up to 200 mm tall by 220 mm wide. I printed him in halves so that the...

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Tags: [robot](#) [vacuum](#) [ultimaker](#)

This Thing is an Ultimaker Robot which I scaled up to 200 mm tall by 220 mm wide. I printed him in halves so that the parts could be bucks for a vacuum forming machine. The photos show the robot halves together and then on the vacuum forming machine. This Ultimaker Robot Shell will be used for a balancing robot my 4H class is building. The hollow shell slides over the electronics.

Each half of the Ultimaker Robot takes about 16 hours to print with 10% infill. I used PLA which holds up fine under the vacuum forming process.

This Ultimaker Robot is not to scale for height. It is shorter than it should be and I have added fenders and cutouts for the balancing robot wheels.

Category: Robotics

Model files



ultimaker_robot_front_v5.stl



ultimaker_robot_back_v5.stl

[Find source .stl files on Thingiverse.com](#)

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